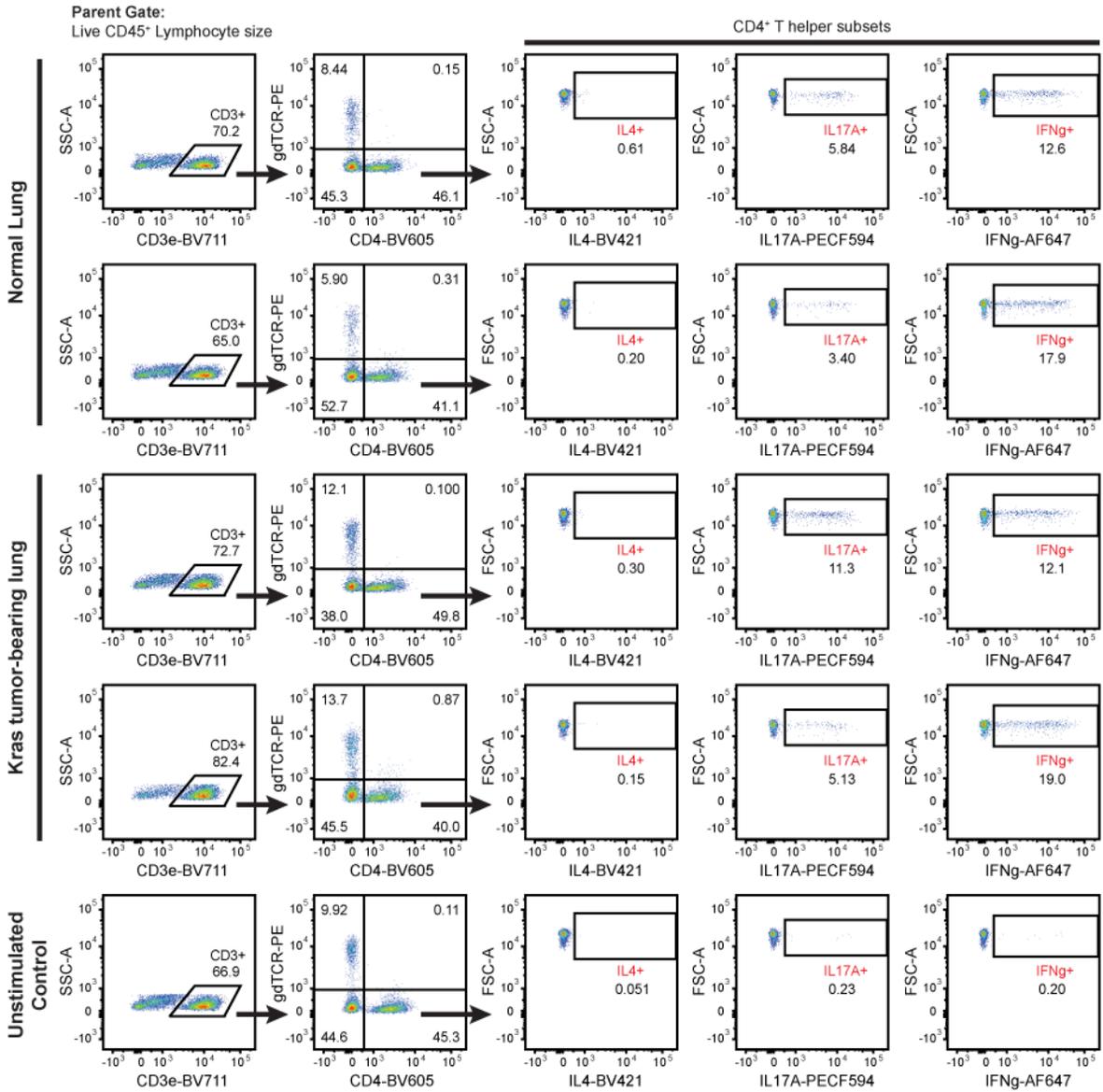


Supplemental Figure 1



Expression of the IL4, IL17A, and IFNg cytokines by CD4⁺ T cells in Kras-mutant and normal lungs was assessed by flow cytometry. Cytokine gates were set based on the unstimulated control (bottom).

Supplemental Table I. List of Flow Antibodies.

Mouse	Color	Clone	Company
CD3ε	BV711	145-2C11	BD Bioscience
CD4	BV786	RM4-5	BD Bioscience
CD11b	BV711	M1/70	BD Bioscience
CD19	APC	1D3	BD Bioscience
IFNγ	PE-CF594	XMG1.2	BD Bioscience
IL17A	PE-CF594	TC11-18H10	BD Bioscience
LY6G	PE-CF594	1A8	BD Bioscience
NKG2D	BV421	CX5	BD Bioscience
PDL1	BV421	MIH5	BD Bioscience
Siglec F	PE	E50-2440	BD Bioscience
CD4	BV605	RM4-5	BioLegend
CD8a	PerCPCy5.5	53-6.7	BioLegend
CD11c	BV605	N418	BioLegend
CD44	FITC	IM7	BioLegend
CD45	AF700	30-F11	BioLegend
CD62L	BV605	MEL-14	BioLegend
EpCAM	APC	G8.8	BioLegend
γδTCR	BV421	GL3	BioLegend
γδTCR	PE	GL3	BioLegend
IFNγ	AF647	XMG1.2	BioLegend
IL4	BV421	11B11	BioLegend
IL17A	BV605	TC11-18H10.1	BioLegend
LY6C	FITC	HK1.4	BioLegend
NK1.1	AF488	PK136	BioLegend
PD1	BV421	29F.1A12	BioLegend
CD25	APC	PC61.5	eBioscience
Foxp3	PE	FJK-16s	eBioscience
Human	Color	Clone	Company
CD45	AF700	HI30	BioLegend

Flow cytometry antibody information, including marker, fluorochrome, clone, and manufacturer. Abbreviations: BV, Brilliant™ Violet; AF, Alexa Fluor®.

Supplemental Table II. Analysis of TME composition over time.

Cohort	Cell type	P value	FC
Egfr	CD45+	0.2846	1.26
	Mac	0.5914	0.85
	PMN	0.1479	1.35
	Mono	0.0778	1.34
	Eos	0.8199	0.96
	NK cell	0.8183	1.05
	B cell	0.1563	1.42
	T cell	0.7941	1.04
	CD4 T	0.7292	0.94
	CD8 T	0.8704	1.03
	γδ T	0.0613	1.36
	Treg	0.4418	0.80
	TH1	0.4645	0.76
	CD3 IL17⁺	0.1330	1.60
Kras	CD45+	0.0736	1.23
	Mac	0.0433	1.43
	PMN	0.2053	1.28
	Mono	0.7480	1.04
	Eos	0.5232	0.50
	NK cell	0.0175	0.78
	B cell	0.4614	1.10
	T cell	0.1979	1.21
	CD4 T	0.0960	1.23
	CD8 T	0.4316	1.17
	γδ T	0.3608	1.16
	Treg	0.0342	1.54
	TH1	0.4506	1.19
	CD3 IL17⁺	0.8296	1.04
Kp53	CD45+	0.0051	1.54
	Mac	0.0088	1.91
	PMN	0.0084	1.79
	Mono	0.3246	0.87
	Eos	0.1113	6.84
	NK cell	0.2876	0.85
	B cell	0.2838	0.85
	T cell	0.2163	1.20
	CD4 T	0.3251	1.17
	CD8 T	0.2313	1.26
	γδ T	0.8747	1.03
	Treg	0.0319	1.59
	TH1	0.8787	1.04
	CD3 IL17⁺	0.1490	0.69

Temporal changes in murine lung TME. For each genotype, fold change (FC) equals the ratio of late-to-early cell counts, so that FC > 1 indicates an increasing cell population. Early time points were 6 weeks for *Kp53* and 10 weeks for all other genotypes; late time points were 10 (for *Kp53*) and 14 weeks. *P* values were calculated with unpaired *t* tests.

Supplemental Table III. Comparison of TME between genotypes.

Cell type	Comparison groups	Time Point		Tumor Burden	
		Adjusted P value	FC	Adjusted P Value	FC
CD45+	Kras vs. Kras.p53	0.0013	0.65	> 0.9999	1.00
	Kras vs. EGFR	0.4600	1.22	0.9741	0.97
	Kras.p53 vs. EGFR	0.0002	1.88	0.9769	0.97
Mac	Kras vs. Kras.p53	0.1058	0.71	0.2780	1.36
	Kras vs. EGFR	0.9571	0.94	0.8801	1.12
	Kras.p53 vs. EGFR	0.2801	1.33	0.7715	0.82
PMN	Kras vs. Kras.p53	< 0.0001	0.39	0.1951	0.70
	Kras vs. EGFR	0.4348	1.59	0.8691	1.18
	Kras.p53 vs. EGFR	< 0.0001	4.08	0.2038	1.69
Mono	Kras vs. Kras.p53	0.9504	1.04	0.7619	0.91
	Kras vs. EGFR	0.0819	1.51	0.8278	1.12
	Kras.p53 vs. EGFR	0.1662	1.44	0.5501	1.24
Eos	Kras vs. Kras.p53	0.1637	0.28	0.8383	1.93
	Kras vs. EGFR	0.9258	2.26	0.8574	2.36
	Kras.p53 vs. EGFR	0.1341	7.99	0.9965	1.22
NK cell	Kras vs. Kras.p53	0.1315	0.78	0.0040	0.66
	Kras vs. EGFR	0.0667	0.73	0.0677	0.70
	Kras.p53 vs. EGFR	0.8817	0.94	0.9012	1.06
B cell	Kras vs. Kras.p53	0.6208	0.87	0.1178	0.74
	Kras vs. EGFR	0.3503	1.29	0.8510	0.91
	Kras.p53 vs. EGFR	0.1126	1.48	0.4618	1.23
T cell	Kras vs. Kras.p53	0.0275	0.74	0.5169	0.89
	Kras vs. EGFR	0.0072	1.74	0.0084	1.68
	Kras.p53 vs. EGFR	< 0.0001	2.36	0.0019	1.89
CD4 T	Kras vs. Kras.p53	0.0071	0.68	0.1355	0.80
	Kras vs. EGFR	0.1369	1.39	0.0724	1.47
	Kras.p53 vs. EGFR	0.0002	2.03	0.0028	1.83
CD8 T	Kras vs. Kras.p53	0.2084	0.78	0.9869	0.98
	Kras vs. EGFR	0.0181	1.93	0.0120	1.89
	Kras.p53 vs. EGFR	0.0009	2.49	0.0180	1.93
γδ T	Kras vs. Kras.p53	0.2640	0.79	0.4527	0.82
	Kras vs. EGFR	0.0001	5.09	0.0037	3.75
	Kras.p53 vs. EGFR	< 0.0001	6.42	0.0007	4.59
Treg	Kras vs. Kras.p53	0.0168	0.58	0.8185	0.92
	Kras vs. EGFR	0.5152	1.36	0.0333	1.71
	Kras.p53 vs. EGFR	0.0038	2.36	0.0135	1.86
TH1	Kras vs. Kras.p53	0.9099	1.08	0.7998	1.12
	Kras vs. EGFR	0.0043	3.26	0.0016	4.27
	Kras.p53 vs. EGFR	0.0225	3.00	0.0088	3.79
CD3 IL17⁺	Kras vs. Kras.p53	0.8040	1.15	0.4875	0.80
	Kras vs. EGFR	0.0014	6.70	0.0115	4.18
	Kras.p53 vs. EGFR	0.0132	5.84	0.0015	5.24

Left, Genotype comparison of the immune cell composition of murine ADCA at matched time points. Data are presented as cell count fold change (FC), i.e. the ratio of genotype1:genotype2, for each leukocyte population at 10 weeks post-induction. **Right**, Genotype comparison of ADCA with matched tumor burden. Data are presented as cell count fold change, i.e. the ratio of genotype1:genotype2, for each leukocyte population in 6-week Kp53, 10-week Kras, and 14-week Egfr cohorts. One-way ANOVA with Tukey's post-test correction for multiple comparisons was performed to determine statistical significance.